

What is claim d is:

- Sat 27 C1*
1. An odour controlling material for removing or reducing odour emanating from certain gaseous or liquid compounds which comprises an inorganic adsorbent material doped with one or more dopants which are selected from the gaseous or liquid compounds and derivatives thereof, and compounds belonging to the same chemical class or having similar functionalities.
 2. An odour controlling material according to claim 1, wherein the adsorbent material is selected from silica, alumina, silicates and natural and synthetic alumino-silicates.
 3. An odour controlling material according to claim 2, wherein the adsorbent material is active silica.
 4. An odour controlling material according to any of claims 1 to 3, wherein the gaseous or liquid compounds are selected from fatty acids and derivatives thereof, amines and ammonia and salts thereof; alcohols, aldehydes and ketones and heterocompounds containing at least one of nitrogen, sulfur and oxygen.
*Claim 1
B*
 5. An odour controlling material according to claim 4, wherein the fatty acids are selected from straight chain and branched chain fatty acids containing from 1 to 12 carbon atoms; alkali and alkaline earth metal salts thereof; esters thereof; ammonium salts and amides.
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 6. An odour controlling material according to claim 4, wherein the amines are selected from amines having a boiling point of up to 170°C at atmospheric pressure and salts thereof.
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7. An odour controlling material according to claim 4, wherein the heterocompounds are selected from heterocyclic compounds containing one or two heteroatoms selected from nitrogen, sulfur and oxygen; mercapto- and thio-compounds and other compounds containing at least one sulfur atom per molecule and having a boiling point up to 170°C and atmospheric pressure.

a 8. An odour controlling material according to ~~any of claims 1 to 7~~ which has a pH of 7 ± 0.5 .

a 9. An odour controlling material according to ~~any of claims 1 to 8~~ which comprises at least one dopant which has more than one active group.

b 10. A blend of odour control materials comprising two or more odour control materials according to ~~any of claims 1 to 9~~.

Dab 18/4/99 11. An absorbent article having incorporated therein at least one odour controlling material according to ~~any one of claims 1 to 10~~.

12. An absorbent article according to claim 11 which is a pantiliner or a sanitary napkin.

13. Use as an odour controlling material of an inorganic adsorbent material doped with one or more dopants selected from the compounds to be adsorbed and derivatives thereof, and compounds belonging to the same chemical class or having similar functionalities.

14. Use as an odour controlling material of an adsorbent material selected from silica, alumina, silicates and natural and synthetic aluminosilicates doped with one or more dopants selected from fatty acids and derivatives thereof; amine and ammonia and salts thereof; alcohols, aldehydes and ketones; and heterocompounds containing at least one of nitrogen, sulfur and oxygen.

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